

TRACE IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Confirmation No. 9734

Ken'ichi NAGATA et al.

Attorney Docket No. 2006 0131A

Serial No. 10/567,356

Group Art Unit 2627

Filed March 6, 2006

OPTICAL INFORMATION RECORDING MEDIUM AND METHOD FOR PRODUCING THE SAME

SUBMISSION OF ENGLISH VERSIONS OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY AND WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith for consideration by the Examiner are:

- 1) An English version of the International Preliminary Report on Patentability; and
- 2) An English version of the Written Opinion of the International Searching Authority.

Respectfully submitted,

Ken'ichi NAGATA et al.

By

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PATENT COOPERATION TREATY



PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II

OF THE PATENT COOPERATION TREATY)
(PCT Rules 44bis.3(c) and 72.2)

From the INTERNATIONAL BUREAU

To:

KAWAMIYA, Osamu AOYAMA & PARTNERS, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 5400001 JAPON

Date of mailing (day/month/year) 18 May 2006 (18.05.2006)	
Applicant's or agent's file reference 664538	IMPORTANT NOTIFICATION
International application No. PCT/JP2004/011239	International filing date (day/month/year) 05 August 2004 (05.08.2004)
Applicant MATSUSHITA	A ELECTRIC INDUSTRIAL CO., LTD. et al

l.	Transmittal	of the	translation	to	the applicant.
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The International Bureau transmits herewith a copy of the English translation of the international preliminary report on
patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

1

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Yoshiko Kuwahara

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外国方式

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 664538	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/JP2004/011239	International filing date (day/month/year) 05 August 2004 (05.08.2004)	Priority date (day/month/year) 07 August 2003 (07.08.2003)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.				

	. <u></u>				
1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).				
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.				
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.				
3.	This report contains indications relating to the following items:				
	Box No. I	Basis of the report			
	Box No. II	Priority			
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the international application			
4.		mmunicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but nakes an express request under Article 23(2), before the expiration of 30 months from the priority			

Date of issuance of this report 08 May 2006 (08.05.2006)

Telephone No. +41 22 338 90 90

Yoshiko Kuwahara

Authorized officer

Facsimile No. +41 22 740 14 35 Form PCT/IB/373 (January 2004)

The International Bureau of WIPO 34, chemin des Colombettes

1211 Geneva 20, Switzerland

PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION 664538 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2004/011239 05.08.2004 07.08.2003 International Patent Classification (IPC) or both national classification and IPC Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Authorized officer Facsimile No. Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/011239

Box	x No. I	Basis of this opinion
1.	With	regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under
	_	Rule 12.3 and 23.1(b)).
2.	With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed attion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addit	ional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/011239

Box			ale 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; pporting such statement	
1.	Statement			
	Novelty (N)	Claims	4, 6-8, 12	YES
		Claims	1-3, 5, 9-11	NO
	Inventive step (IS)	Claims	•	YES
		Claims	1-12	NO
	Industrial applicability (IA)	Claims	1-12	YES
		Claims		NO

2. Citations and explanations:

Document 1: JP, 2000-322774, A (Hitachi Maxell, Ltd.), 24 November, 2000 (24.11.00), paragraphs 0015, 0037, 0038, 0050 and 0051 (Family: none)

Document 2: JP, 1-315044, A (Canon Inc.), 20 December, 1989 (20.12.89), page 3, upper right column, line 16 to lower left column, line 3 (Family: none)

Claims 1-3, 5 and 9-11

The subject matters of claims 1-3, 5 and 9-11 do not appear to be novel or to involve an inventive step since they are disclosed in paragraphs 0015, 0037, 0038, 0050 and 0051 of document 1.

Claims 4, 6 and 7

The inclination angles $\theta 1$ and $\theta 2$ of document 1 can be set suitably so that desired characteristics are obtained.

Therefore, the subject matters of claims 4, 6 and 7 do not appear to involve an inventive step in view of document 1.

Claim 8

An optical disk having a plurality of recording layers is commonly known and there would be no particular difficulty in applying the disk manufacturing method of document 1 to this commonly-known disk.

Therefore, the subject matter of claim 8 does not appear to involve an inventive step in view of document 1.

Claim 12

It is stated in page 3, upper right column, line 16 to lower left column, line 3 of document 2 that the form of a groove on the disk substrate is changed when the energy distribution of exposure beams of the optical disk is changed. Since the technique of changing the energy distribution of irradiation beams by using a plurality of beams is commonly known, the subject matter of claim 12 does not appear to involve an inventive step in view of documents 1 and 2.